ZETIATM

(EZETIMIBE) TABLETS

ESCRIPTION

ZETIA (ezaluniba) is in a class of lighti-lowering compounds that
salectively imhibits the intestinal absorption of cholesterol and related
phytostarols. The chemical name of asstratibe is
1-(4-baorophenyi)-3(R)-(2-(4-baorophenyi)-3(R)-)-yd-raxypropyi]-4(S)(4-hyd-rayphenyi)-2-azeigimenta. The empirical formula is C_H,F,F,NO,
its mplacular weight is 409.4 and its streetural formula is:

Extimitie is a while, crystalline powder that is freely to very satunto in attanol, methanol, end acatone and practically insoluble in water. Extimitie has a resting point of about 163°C and is stable at embergarature. ZETIA is available as a tablet for oral administration containing 10 mg of certimibe and the following inactive ingredients, retroummetables assolute. NF, bettose monohydrate MF, magnesium stearate MF, microcrystalling cellulous NF, powdone USP, and codum troud with MF. lauryi sulfata NF.

CLINICAL PHARMACOLOGY

CLINICAL PROFIDENCIAL PROPERTY AND ASSESSED IN THE PROPERTY IN

eardovascular monominty and montainty has not been deformance.

ZETIA reduces total-C, LOV-Q, Apo B, and TQ, and increases HDL-C
o patents with hyperticlesterolemia. Administration of ZETIA with an
HMG-COA reductase inhibitor is: effective in improving serum total-C,
LQL-C, Apo B, TG, and HDL-C beyond either treatment alone. The effect of continuo given atther alone or in addition to an HMG-CoA reductase inhibitor on condovascular evanibuling and mortality have not been DOMESTICAL

Mode of Action

Mode of Action

Extensible reduces blood cholesterol by inhibiting the absorption of cholesterol by the small intestine, in a 2-week clinical study in 18 bypercholesterolemic pullents, ZETA inhibited intestine in cholesterol absorption by 54%, compared with placebo. ZETA had no clinically meaningful effect on the plasma concentrations of the fit-soluble virtualists A, D, and E (in a study of 113 patients), and did not impediately according to the plasma concentration of the study of 118 patients). The cholesterol contain of the fiver is derived predominantly from the sources. The liver can synthesize cholesterol, take up cholesterol from the blood firm: circulating illipoproblem, or laike up cholesterol absorbed by the small intestillate intestigated is derived primarily from cholesterol specified in the bits and from delauty cholestorol.

Enablishe has a mechanism of action that differs from those of other

noniculous use of the second with the second control of the second

plant strengts).

Examinible does not inhibit choissterol synthesis in the liver, or increase his acid excretion; included, examinible localizas and appears to act at the brush border of the small inhibitive and strikible in absorption of cholesterol to, leading to a discrease in the delivery of inhabilities cholesterol to the liver. This causes a reduction of hepatic cholesterol stress and an increase in cheanacts of cholesterol from the blood; his distinct mechanism is complementary to that of HMG-CoA reductase inhibitors (see CLINICAL STUDIES).

Pharmacokinelies

Absorption

After oral administration, exclamible is obserbed and extensively conjugated to a pharm-acologically active phonolic observorable (exclainable-glucuroride). After a single 10-mg dose of 25TA to instead adults, mean cereinable peak plasma concentrations (C_{pp}) of 3.4 to 5.5 mp/ml. were attained within 4 to 12 hours (T_{pp}). Extlimited focus mean C_{pp} of 3.4 in 5.5 mp/ml. were activated within 4 to 12 hours (T_{pp}). Extlimited focus mean C_{pp} of 3.4 in 5.5 mp/ml. were activated between 1 and 2 hours (T_{pp}). There was no substanded deviation from dose proportionally between 5 and 20 mp. The absorbit bionoxidability of absorbing the companied is virtually localistic in squasus, media suitable for a significant. Evaluation has a variable for the companied of the com

Perfect of Food on Oral Absorption

Concomitant tood administration (high fet or non-lat meals) had no effect on the extent of absorption of extension when administrated as ZETA 10-ng labels. The Co_{mit} value of extension by 26% with consumption of high fat meals, ZETIA can be administered with or

ZETIA" (szetimité)

Extended and exallinitie-glucuronide are highly bound (>90%) to human plasma proteins.

Matabolism and Excretion

Metabolism and Excretion
Extratible is primarily metabolized in the smed intestine and ther via
plucurorde confugation (a phase if reaction) with subsequent bitary and
rend exercipe. Minimal caldative metabolism (a phase if reaction) has
been observed in all species evaluated.
In numera, exatimible is rapidly metabolized to exetratibe-glucuronide.
Exetratibe and exatimible-glucuronide are the major demo-derived
compounds delected in plasma, constituting approximately 10 to 20%
and 80 to 90% of the total drug in plasma, repetabolish, Both exetrifies
and exatimible-glucuronide are stoleny similarized from plasma with a halflife of approximately 22 hours for both exclanible and exatimibleglucuronide. Plasma consanisation-time profiles within multiple peaks,
suppositing enterorisessale recording.

glucuronide. Plasma comenimation-time profiles whithit multiple peaks, augusting enterchapation recycling. Following and administration of "C-exideniba (20 mg) to human subjects, total occulturble (existenibe + assitiation-plucoprovide) accommod for approximately 35% of the total radioactivity in the plasma. After 48 hosts, there were no deloctable levels of radioactivity in the plasma. Approximately 78% and 11% of the administrate radioactivity were recovered in the hoses and urins, respectively, ever a 10-day collection period. Explaintle was the major component in faces and accounted for 55% of the administrated doss, white explaintle-glucuronide was the major component in plasma.

Special Populations

defeator Peterus
In a multiple dose study with exedunite given 10 mg cates daily for 10 days, plasma concentrations for total sessimite were about 2-feld higher in older (265 years) healthy subjects compared to younger subjects.

Profising Patients: in a multiple dose study with existinible given 10 mg once dely for 7 days, the absorption and melabolism of exelimible were similar in adolescents (10 to 18 years) and adults. Based on total exertible, there are no pharmacokinets differences between adolescents and adults. Pharmacokinetic data in the pediatric population <10 years of age are not ಪಾತಿಯೇ.

In a multiple doze study with exadenible given 10 mg drate daily for 10 days, plasma, consentrations for tolki exatimible were slightly higher (<20%) in women than in men.

Based on a unstananelysis of multiple-dose pharmacoldnelle studies, there were no pharmacoldnelle differences between Blacks and Caucasigns. There were too few padents in other racks) or ethnic groups to normit further observacokinetic comparisons

Hepatic Insufficianes

Hepatic insufficiency
After a single 10-mg dose of coalimities, the mean area under the corne (AUD) for total explimities was increased approximately 1.7-ford in patients with mild hepatic incumdancy (Child-Pugh score 5 to 6), compared to healthy subjects. The mean AUG values for total explimition were increased approximately 3-4 fold and 3-6 hid, respectively, in patients with moderate (Child-Pugh score 7 to 9) or severe hepatic impatiental (Child-Pugh score 10 to 15). In a 14-day, multiple-doce study (10 mg dialy) in patients with moderate hepatic increased approximately 4-fold on Day 1 and Day 14 compared to healthy subjects. Due to the unknown dilects of the increased exposure to exalution in patients with moderate or severe hepatic insufficiency. ZETIA is not recommended in these patients (see CONTRAIMDIGATIONS and PRECAUTIONS, Hepatic Insufficiency).

After a single 10-mg dose of exatimitie in patients with severe renal disease (n=6; mean CrCl =30 ml/min/1.73 m²), the mean AUC values for lotal azethnibe, exetimibe, exetimibe, and exetimibe were increased approximately 1.5-fold, compared to healthy authletin (n=9).

approximately 1.5-fold, compared to healthy authlects (n=9).

Brus interactions (See also PRECAUTIONS, Drus interactions)

ZETIA had no significant effect on a series of probe drugs (carlisine, dodromothorphan, tothwhamide, and IV midazolam) known to be metabolized by cyticchrome P450 (1AZ, 2DE, 2C8/9 and 3A4) in a caccinal-autory of twelve healthy admit reales. This indicates that escentials is nestine as initiation nor an inducer of these cyticchrome P450 becomes, and it is unlikely that cardinable will affect the nestabolized of drugs that are metabolized by these enzymes.

Warrantic Concordinat midmicratedion or assimiliar (10 mg once day) had no significant administration of establiship of warrantic concordinat administration of establiship of warrantic nor protection of time in a shotly of between healthy adult males.

Disputic Concordinat administration of establiship of union of the CCC parameters (HR, PR, PT, OT, and OTC intervals) in a study of twelve healthy adult males.

and trass. Gentilized in a study of twelve hearing adult males, concentration appropriate appropriate and the concentration of gentilization for gentilization of gentilization of gentilization and the critic lice-and believe in the critic lice and the critic lice and the critical critical lice and the critical lice

Oral Confusespheres: Co-administration of earlimite (10 mg once daily) with oral confusesphies had no algorificant effect on the bloayalbooking of ethings estration or levenorgepoint in a cludy of eighteen

healthy adult females.

Girneddines Multiple doses of cinerticine (406 mg twice daily) had no significant effect on the oral blookedlability of azelimibe and total estimate in a study of twelve healthy adults, a single dose of anacid (Supralox* 20 mt.) administration had no significant effect on the criticines in a study of twelve healthy adults, a single dose of anacid (Supralox* 20 mt.) administration had no significant effect on the criticines (Supralox* 20 mt.) administration had no significant effect on the criticines (Supralox* 20 mt.) administration had no significant effect on the criticines (Supralox* 20 mt.) administration and significant effect on the criticines (Supralox* 20 mt.) administration and significant effects of the criticines (Supralox* 20 mt.) administration and significant effects on the criticines (Supralox* 20 mt.) and supralox* 20 mt.) administration and significant effects of the criticines (Supralox* 20 mt.) administration and supralox* 20 mt.) administration and supralox* 20 mt.

Exhibit A

7FTIA*(ezetimibe)

Güpüzide: In a siudy of twelve healthy adult maies, stoady-state levels of exclainthe (10 mg once faily) had no significant effect on the pharmacekineses and pharmacedynamics of gipüzide. A single disce of gipüzide (10 mg) had no significant effect on the exposure is total assessmits or exertinibe.

NNG-CoA reducisse inhibitors: In studies of healthy hyperchelesterdamie (LDL-O 2139 mg/dl) adult subjects, concomitant exhabited in a habitolistic (10 mg most of the habited in the studies of healthy in the studies of the studies of healthy in the studies of the studies of

hypotrolectiondemic (LDL-0 2139 mg/dl) adult subjects, concomitant administration of examinist of the monocodally) had no significant effect on the bioevalability of either lovestability, shrivestability of either lovestability, shrivestability, or flevestability. No significant effect on the bioevalability of total existing the mis examinist was demonstrated by either lovestability of migrosectability, attendated in 10 mg once daily), professability (20 mg once daily), professability (20 mg once daily), professability of birth-two healthy hypercholesterofethic (LDL-2 2130 mg/dl) adult subjects, concomitant lanofibrate (200 mg once daily) administration increased the mean C., and AUC values of lotal continuity supercoordinately 54% and 45%, respectively. Plasmacodinates of lendificate were not algorificantly affected by restricted from once daily.

Pharmacounters or recoverage were not agrammatory symmetric by extended (10 mg once rising).

Challestyremines. In a study of forty healthy hypercholesterolermic (LDL-C 2130 mg/dr) adult subjects, concernitant shalestyrumine (4 mg/cc, daly) administration decreased the mean Adv values of total exclimite and excitonibe approximatory 55% and 80%, respectively.

ANIMAL PHARMACOLOGY

ANIMAL PRARIAGOLOGY

The hypocholisterolamic effect of existinitie was exclusited in cholestrovited Rhepus monitorys, degs, mts, and mouse models of human chrolesterol melabolism. Esalimble was found to have an ED—water of Cs. parkyday for inhibiting the ries in pleams cholestroril better in monitorys. The EO—values in degs, rate, and mice were 7, 30, and 700 µg/kgy/day, respectively. These results are consistent with ZETIA being a potent cholestroril absorption highlibr.

In a rat model, where the gladuronide metabolite of explimite (SCRS) was administered phraghedinately, the matabolite was as potent as the parent compound (SCH 68235) in inhibiting the absorption of cholesterol, suggesting that the glacuronide metabolite had activity similar to the parent line parent line.

chotesterol, suggesting that the procuronide metabolita had activity aimiliar to the parint drug. In 1-month studies in dogs given exercisite (0.03-300 mg/sp/dxy), the concontration of chotesterol in galibleddar bis increased -2- to 4-fock. However, a dose of 300 mg/sp/dxy administrated to dogs for one year did not result by galistone formation or any other adverses bepatobilisty effects. In a 14-day study in micro given examinite (0.3-5 mg/sp/dxy) and feet altowals or chotesterol-rich det, the concentration of chotesterol in gabilisader bis was either unaffected or reduced to rormal levels, respectively.

A series of soute preclinical studies was performed to determine the selectivity of ZETIA for inhibiting chotesterol absorption. Emilmite children is absorption of C14 chotesterol absorption. Emilmite dishibited the absorption of C14 chotesterol absorption is propesterone, altryl estradiol, or the tal-calubte vitamine A and 0.

In 4-to 12-week backly studies in mica, exertingbo did not induce

estration, or the fat-cultular viteraline A and O.

14 to 12-week hazdetly studies in mics, exertimate did not induce of technique PASO drug metabolizing enzymes. In bodicity studies, a pharmacoidnatic interaction of extiliration with PAMG-COA reductace inhibitions (parants or their active hydroxy acid metabolities) was seen in rate, dogs, and rabbilis.

CUMPAL STUDIES

rrinary papersociamentenia ZETTA roduces lotal-Q, LDL-Q, Apo B, and TG, and increases HDL-C in patients with hypercholesterolemia. Maximal to near maximal response is generally achieved within 2 weeks and maintained during channel the maximum.

response is generally externil extensions. The control the following the

Experience in non-Caucastans is limited and does precise eadmate of the magnitude of the effects of ZETIA.

Manotherapy
In Iwo., multicanter, double-blind, placebo-controlled, 12-week
studies in 1718 patients with primary hypercholesterolomia,
ZETIA significantly inversed total-C, LDI-C, Apo B, and Tô, and
increased HDL-C compared to placebo (see Table 1). Reduction in LDI-O
was consistent across age, see, and bescinc LDI-C.

Reddente in ZETTA to Pulkate with Princery My out % Charge from Universital Rescitor's

	Treatment prosp		TelairC	LDL-C	April I	1¢	HDC-6
	Placebe	205	41	41	-1	-1	-1
Study T	Ezelini ba	DET.	-12	-10	-15	-7	-11
	Flacabo	226	*1	+7	-1	+2	-2
Stody 2"	Eze Brothe	GEE	-12	-10	-1 û	4	+1
Pooled Date	Pacebo	431	0	+1	· Ł)	-2
(8년 회원 1 표 2)	Ezetholbe	1268	-10	-10	-18	-6	-11

'Feu risknardien, med his 'S, change beru beliefelt 'Sasafine - in in miljelf down ring drug 'NETIA classificantly makend lytelt E. (Di.-C, And B., and DG, and Inco

Combination with HMG-GoA Reductice Intilbitors

2ETIA Added to Ch-golog HBRS-CoA Reductorse Inhibitor Therapy
in a multicenter, duuble-blind, placopo-controlled, 8-week study, 769
pationts with primary hypotrohosterolomia, konsen coronary haraty
disease or multiple certiovascular risk factors who were already
recording HMS-CoA neduciase inhibitor mannethempy, but who had not
most their NCEP ATP II target LDL-G goal were randomized to recoive

ZET'LA" (ezerimibe)

aither ZETIA or placebo in addition to their on-going HMG-CoA reductase

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Toble 2 Hetparma io Addition at ZETLE io Duryning 1996; CoA Reductore Indializar fa arapy') o Politaria with Hyperminolatium formit (1962 and 'A Champo Irvini Probled Sassumer')

(Colly Date)	¥	Tefal-C	LOC-C	Apo 8	T₽	MDLAC
On-going HMO-CoA recursos inhibitor +Placabo*	390	-2	4	4	4	+1
On-going HMH-CoA reductase inhibher +ZERA*	379	-17	-25	-19	-14	+3

o washi, LOL-C, App A, and TE, and he

ZETIA Initiated Concurrently with an HMG-CoA Reductase Inhibitor

In four, multicenter, double-blind, placabo-controlled, 12-week trals. In 2882 bypercholestrollemic patients, ZETIA or placabo was administered atone or with various doses of abovesable, almovabilin, pravastation, or local labin.

prayacture, or localism. When all patients receiving ZETIA with an HMG-CpA reductase inhibitor were congarred to all those recolving the corresponding HMG-CpA reductase thinking alone, ZETIA significently lowered total-C, LDC, App B, and TB, and, with the exception of prevasation, increased HDL-C campand to the HMG-CpA reductase inhibitor administrated alone, LDL-C reductions induced by ZETIA were generally consistent across all HMG-CpA reductase inhibitors. (See feetangle consistent across all

Table 3 Economic to 227M and Accordable leithead Concerts Fall and article Primary Hypercholesteroleum (Mayor" % Change from Staircolest SeneRod")

Torratment (Cleakly Eloso)	Ħ	Total-C	IDL-€	Apro B	TG	HDL-E
Placebo	60		- 14	43	-6	- 44
ZETIA	65	-14	-20	-15	-5	44
Atorvastatin TO rog	60	-24	-37	-28	121	*
SETIA + Atomastailn 10 mg	55	-38	-50	-43	-3 †	+9
Atomas tallin 20 mg	60	-30	-42	ş	-23	-4
ZETIA + Atorvatedo 20 mg	ÞŻ	-39	-54	44	-30	+8
Аполицияма 40 mg	56	-82	-45	-27	-24	+1
ZETIA + Algernatalia 40 mg	65	-42	-56	-45	-34	45
Albertastatile 160 705	62	40	-54	-46	-31	•4
ZETIA + Nasrometatin 80 mg	63	-46	-61	-50	-40	+7
Popled data (All Altervisitatin Desast)	248	-92	-44	-36	-24	44
Peoles dala (All ZETIA + Akarvastalia Doess)*	255	-11	-\$4	-45	-83	+7

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Table 4 Massociate to 25 Tis and Simpressia Indialed Concernally 'n Painais with Prissary Hypershéléthetéléfille (Maon' 'M Gwega Irom Universitat Baselius')

Trestineal (Culty Date)	M	Twist-C	LBL-¢	Арт В	TC	HOL-C
Plucébé	70	•1	-1	0	72	Ħ,
ZETIA	គា	-13	-18	-14	-11	-4
Spovestalia 10 mg	70	-18	-27	-21	-14	+1
ZETIA+ Sinvastalin 10 mg	67	-32	-16	-35	-26	+9
Sinavastrán 20 mg	81	-26	-36	-29	-18	45_
ZE (IA + Sirmustado 20 me	69	-33	-46	-96	-25	+9
Skrivesto Bn 40 rog	65	-27	-36	-\$2	-24	4
ZETIA+ Sinyestalin 40 mg	73	-10	-56	-45	-85	+11
Shinvertuling all mg	67	-35	-45	-37	-23	+1
ZETIA + Simparte(le 80 mg	65	-41	-53	-47	-91	4
Pooled data (All Signed that Decorate	269	-26	-36	-30	-20	1
Pooled data (All ZETIA A Blankasta (in Doses)*	274	-5.7	-51	- 41	-29	+9

"Basalita – en en hydricestring drug SCTA, v sit dozet si vetr-agsorki popisji (10-80 maj) pipalikesnik saducest in beverend hCl-2 agrocava so sil dozen si planapsisk popisis (10-80 maj). est CLDC-Class Bland Tic. and

ZETIA*(szesimite)

se to ZETIA and Pray solutio testinated Concernally in Pelicals with Printing Myperch (Mont' % Charge from Universital Described)

Tre-blaid#4 (Dally Doce)	N	Total-0		Apro 8	TE	HDL-C
Placebo	96	, 0	_1_	-2	-1	-2
ZETIA	64	12	-20	-15	-5	14
Provestatin 10 mg	68	1-15	-21	-16	-14	45
ZETIA - Pravastalio 10 mg	71	-24	-84	-27	-23	4
Pre-esteria 20 mg	GØ	i15	21	-)8	_1_	78
ZETIA I Provestatio 20 mg	GG	-27	40	-3 0	-21	-8
Prevestatin 40 mg	70	-22	-31	-25	-10	6
ZÉTIA + Pravestatin 40 mg	₩.	-30	-42	-22	-27	+8
Pooled data (All Praestatin Doses)*	205	:-17	45	-20	-14	-7
Province data (All ZETIA - Provincialis Document	204	-27	-39	-30	-21	+I

pones in 265% and investable billipled Greenercolly In Patients with France Hypercachesteral and Milesof % Change from Untrasted Ba

Translation (Cally Gene)	þ	Total-G	1DL-¢	April 6	TO	HOL-E
Piacebo	64	+1	0	41	-0	0
ZETIA	77	i - 18	-19	-14	4	+8
Lovastatin 10 mg	73	11-15	-20	-17	-11	+5
ZETIA + Lovastatis 10 mg	GB	-24	-\$4	-27	-19	7.0
Lovastatia 20 mg	74	: -18	-79	-21	-12	72
ZETIA + Lovastado 20 mg	•	-25	-4 1	-34	-97	+9
Loventeda 40 mg	73	' -21	-30	-25	-\5	-5
ZETIA Lo-188848 40 mg	65	- 2 3	-45	-38	-27	+8
Proceed data (All Lovestable Dotal)*	220	<u> </u> -11	-25	-21	-12	н
Pooled data (All ZET/A + Lovastalin Doses)*	192	-29	-40	-33	-15	+0

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Homozygous Familial Hypercholesterolenile (HoFH)

A study was conducted to isstess the efficacy of ZETIA in the treatment of HoFH. This double-blind, readontized, 12-week thudy enrolled 50 patients with a chinical analysis purpose diagnosis. of HoFH, with or without concombant i LDL, apheresia, arisedy receiving atenvasation or simvasation (40 mg). Patients were randomized to one of three treatment groups, atenvasialin or simvasation (80 mg). ZETIA administered with atenvastation is simvasation (40 mg), or ZETIA administered with atenvastation is simvasation (40 mg). Due to decreased becavailability of excrimible in patients concombantly receiving cholestyramine (see PRECAUTIONS), excellente was dosed at least 4 hours before or after administrations concombants of receiving cholestyramine (see PRECAUTIONS), excellente was dosed at least 4 hours before or after administration of radios. Mean baseline LDL-C was 341 mg/dL in these patients randomized to allowership in the or simple of the proper randomized to allowership in the continuous of the property of the down of the property of the property of the down of the property of the property of the down of the property of the down of the pro

ZETIA" (ezadmiba)

INDICATIONS AND USAGE

Primary Hypercholes/erolentia

Authorities and the second section of the second section secti

Combination therapy with MAG-CoA recturates inhibitors

ZETIA, administered in combination with an HMS-CoA reductes inhibitors

ZETIA, administered in combination with an HMS-CoA reductes inhibitors, is indicated as adjunctive therapy to disk for the restuction of elevated (abt-C, LDI-C, and Apo B in patients with primary (heterozygous ternifia) and mon-familiaty hypercholeatoroismia.

The combination of ZETIA and abrevestain (hoPH)
The combination of ZETIA and abrevestain or streetswin, is indicated for the reduction of abrevial total-0 and LDL-0 tevels in patients with hoPH, as an adjunct to other fill-towaring treatments (e.g., LOL apherests) or if such treatments are unavailable.

Hamozygous Bhosterolemia

Hamaypous literareviens:

ZETIA is Indicated as adjunctive therapy to diet for the reduction of devaled sizetherol and campesterol lovels in patients with humazygous familial structuralents.

Therapy with lipid-sterring agents should be a component of multiple risk-tactor intervention in Individuals as increased risk for atherosectory executar discusse due to hypercholestoricated in Individuals as increased risk for atherosectory executar discusse due to hypercholestorication. Lipid-alboring agents should be used in addition to an experipriate disk (including restriction of squaried tild and cholesterol) and when the response to disk and other morphamesotological indeximents has been indequate. (See NCEP Advit Treatment Panel (ATP) III Galdelines, summarized in Table 7.)

Tphie 7 Stummary of NCCP ATP III Goldoffines

Phili. Coloquiry	LDL Cout (mp/dL)	LBL j. wat at Which to labileto Thurspenik: Literlyin Changes ^a (mg/SL)	LDL Sever at Which in Consider Book Therapy (mg/st.)
CHD or CHD risk equivalents ^b (10-year risk >20%) ^a	<100	≥100	2130 {100-125: drug options/j ^d
24 Rois isotore ⁰ (10-year risk \$20%) ^C	~130	≥130	10-year risk 10-20%; 2130 [©] 10-year risk 45034; 2450 [©]
O-1 Filsk lactor	<160	2180	≥190 (150-189: LDL-lawering drag aptlematy

"Discrepandia: Handyin change or hard-time") (findany distinguist related from an exceptible) (or (47%); and ordinated find distinguists) (1288) (or per tity), and ordinately (ii), homelong with plant chandwhiter in literated (videos (childel)) (or (1004) and, it melley and ordinately and it is common from the child of the child or (1004) (or (1004) and it is considered to the child or (1004) or (1004) (or (1004) and or (1004) or (1004) (or (1004) or (

Indigenolish and (RIL, a.g., Introduces are a re-to bits submiddel);

"hapin this facility (satisfied of LRI, shelandaroth dray requiry (.g., gashs include equation sensitions, by assessed per 3 settlement on the are and selection of the contraction); but 10th, environment (-GO penyl-holing hapine, it proceeded 100) (CRI pe review (rept-squire section -CSS penus cold in immain invertigate shall be a complete graph of the bid penus years and the penus section -CSS penus cold in immain services, supplies," and facility for presentary invertigate the cold penus for the penus penus penus and "demand all people satisfied (this piece hapine is 10-year shall cold for the penus pen

Prior to initiating therapy with ZETIA, secondary causes for dystipiderata (Le., disheres, hypothyroidism, operandre liker disoace, chronic renal fature, and drugs that increase LDL-C and decrease IDL-C progestine, amabelic starcies, and corricosterioidis), should be excluded or, it appropriate, treated. A lipid profile should be performed to measure that—C_LDL_C_HDL-C and 'C., For TG break > 4400 mg/dt. (>4.5 mmo/rL), LDL-C concentrations should be determined by ultracertrifugation.

At the firm of hospitalisation for an acute corresponding the measures should be taken on admission or within 24 hours. These wature can guide the physician on initiation of LOL-leaening therapy before or at discharge.

CONTRAMBACATIONS

CONTRAMBACATIONS

Hypersensibility to any component of this medication.
The combination of ZETIA with an HMG-COA reductase legislator is contraindicated in patients with active liver disease or uncoplained persistent elevations to serum transacraticases.

All EMPG-TOA reductase implificus are sanitratedicated in prognest and sering soomen, when ZETIA is admirationed with an MMG-COA reductase implificus are sanitratedicated in MMG-COA reductase inhibitors of progness are sanitratedicated. In progness and progness when ZETIA is admirationed with an MMG-COA reductase inhibitor, (See PRECAUTIONS, Prognamey.)

PRECAUTIONS

Concurrent administration of ZETIA with a specific HMG-CoA reductive hithliter should be in accordance with the product labeling for that HMG-CoA reductase inhibitor.

Liver Engines In controlled clinical monotherapy studies, the inclidence of consequence elevations (25 X the upper limit of normal (ULNI) in serum transaminates was similar between ZETIA (U.5%) and placebo (U.3%). In controlled clinical combination studies of ZETIA initiated consumently with an HAAG-CQA reductase inhibitor, the incidence of consequence elevations (2.3 X U.N.) in serum transaminates with 18 X U.N.) in serum transaminates with 18 X U.N. In serum transaminates with 18 X

ZETTA" (ezeilmibe)

inhibitions and 0.4% for patients treated with HMG-CoA reductase inhibitors alone. These elevations in treasuminases were generally asymptomatic, not associated with cholostasis, and returned to baseline distributional continued treatment. When ZETIA is co-administrated with an HMG-CoA reductase inhibitor, over function light should be performed at histiation of therapy and according to the ecommendations of the HMG-CoA reductase tabilistics.

Skeletal Musick:

SMMOM MYSICAL

In clinical trials, there was no excess of myopathy or rhabdomyolysis associated with ZETIA compared with the relevant control arm (placebo or HMG-CoA reductase inhibitor atomos). However, myopathy and rhabdomyolysis are known adverse reactions to HMG-CoA reductase inhibitors and other byti-toworing drugs, in clinical trials, the incidence of CPK-10 X ULN was 0.2% for ZETIA vs 0.1% for placible, and 0.1% for practice, and 0.1% for zETIA co-admissional with an HMG-CoA reductase inhibitor vs 0.4% for VETIA co-admissional with an HMG-CoA reductase inhibitor vs 0.4% for VETIA co-admissional vs 0.4% for VETIA for HMG-CoA reductable inhibitors alone.

Hopetia lasuffolency

Placetin Instantiations

Due to the poisonown effects of the increased exposure to exclaims in pallents with moderate or severe hopatic insufficiency, ZETIA is not recommended in these pallence. (See CLINICAL PHARMACOLOGY.

Drug Interactions (See also CLINICAL PHARMACOLOGY, Drug

interactions.)

Chalestyramine: Concernitant cholestyramine administration decreased the mean AUC of total exellenties approximately 55%. The incremental LDL-G reduction due to adding exellenties to cholestyramine may be reduced by this interaction.

Fibrales: The salety and effectiveness of existinate administered with

fibrates have not been catali

tibrates have not been crabilished.

Brates may increase relacistant exception into the bits, loading to chololithists. In a pradimical study in dogs, scalinition increased chalastries in the galibiation bits (soo ANIMAL PHARMADOLOGY). Conditionation of ZETM with fibrates is not recommended until use in patients is studied.

Fanolityate: in a pharmacokinetic study, concomitant tenoliterals administration increased total azaminibe concentrations approximately

1.5-fold.

Gentifibrazit in a pharmacokineto study, concomitant gentifibrazit
administratation interessed total exitimibe concomitations approximately
1.7-fold.

Hiddle-CoA reductives inhibitions: No clinically significant
pharmacolimical interactions were seen when exitimible was coadministered with atomactation, significant file.

[Instantial concomitation of the concomitation of

Dyclosporine: The total exethnibe level increased 12-fold in one renal transplant poblent receiving multiple medications, including cyclosporine. Potents who take both wordmilbe and cyclosporine should be carefully

Carcinogenesis, Mutaganesis, Impakment of Farility

A 104-week distary saidinogaristic study with estimate was enducted in rats at doese up to 1500 mg/kg/day (maies) and 500 mg/kg/day (maies) and 500 mg/kg/day (females) (-29 threes the human exposure at 10 mg daily based on Atticate for total extimate). A 104-week distary carcinoparistly study with exalimities was also conducted in mice at doese up to 500 mg/kg/day (-150 times the human exposure at 10 mg daily hased on 500 mg/kg/day (-150 times the human exposure at 10 mg daily hased on Atticate for total extendible). There were no statistically significant increases in tumor incidentate in drug-treated rate or mice.

No evidence of mutaganistic was observed in vitro in a microbial mutaganistic (amas) test with Salmonesis hyphimerium and Eschwichia coli with or without metabolic activation. No evidence of descingentially was observed in vitro in a chromosomal abstration assay in hardon peripheral blood lymphocytes with or without metabolic activation, in adultion, there was no evidence of geneticating in the in who mouse micrototelium test.

adultion, mark was no evidence or genolocating in this in vivo motors increducibilities that in crail (genega) facility studies of scottimbs conducted in rate, flore in crail (genega) facility studies of scottimbs conducted in rate, flore in make or ternate rate, 1-7 times the human exposure at 10 mg daily besed on AUC_{Non} for total examinibs).

Preyrancy Category: C
There are no adequate and well-controlled studies of exclambe in programs women. Exclambe should be used during programs only if the polential benefit justifies the risk to the feura.

potential properti postures the rest to the results.

Is oral (grazuge) ornistry-t-test development studies of ezromible conducted in rats and rabbits during organizations, there was no widence of embryolethal stiffects at the deces lested (250, 500, 100) mg/fg/day/), in rise, tecreased incidences of common ligal stellars.

Maltiple dose studies of systemic given in combination with HMG-GGA reductes inhibitors (statins) in rata and rabible during organogeness result in higher estamble and stable expessures. Reproductive lindings occur in lower dates in combination therapy neared to monotherapy.

compared to monomerapy.

All HMG-CoA medicales subtitions are contraledicated in pregnand
and mursting woman. When ZETIA is submissional with an HMG-CoA
reductate inhibitor is a woman of childbearing potential, refer to the
Pregnapty calegory and package labeling for the HANG-CoA reductate
inhibitor. (See CONTRAINENCATIONS.)

'spor and Delivery
The effects of ZETIA on labor and delivery to prognant women are UNKTOWN.

Nursing Mothers

In at studies, exposure to total explimite in aursing pupe was up to half of that observed to maternal plasma. It is not known whether esatimibe is extreted into human breast milk; therefore, ZETLA should not

ZETIAT (szetimibe)

be used in nursing mothers unless the potential benefit justifies the potential risk to the intent. $\|\cdot\|$ Pediatric Use

Paddaric Use
The pharmacolonetics of ZETIA in adolescents (10 to 18 years) have been shaken to be similar to that in adults. Trushment appendence with ZETIA in the pediatric population is limited to 4 patients (9 to 17 years) in the sitestanolemia study and 9 patients (11 to 17 years) to the HOFH study. Trushment with ZETIA in children (410 years) is not recommended. (See CLENICAL PHARMACOLDEY, Special Populations).

Boriatric Use

Of the patients who received ZETIA in clinical studies, 948 were 55
and older (this included 200 who were 75 and older). The offectiveness
and safety of ZETIA were stratar between these patients and younger
subjects. Greater sensitivity of some older individuals cannot be ruled
out. (See CLINICAL PHARMACOLURY, Special Populations, and
ADVERSE REACTIONS.)

ADVERSE REACTIONS

ADVENSE REACTIONS

ZETIA has been exclusived for safety in more than 4700 patients in clinical trais. Canical studies of ZETIA (administered alone or with an HMG-CDA roductase inhibitory demonstrated that ZETIA was percelly well bulerated. The creatily heddence of adverse exists reported with ZETIA was similar to that reported with placebo, and the discontinuation. rate due to adverse events was also similar for ZETIA and piacebo.

Adverse experiences reported in 22% of pallents treated with ZETIA and at an incidence greater than placebo in placebo-controlled studies of ZETIA, regardies of controller assessment, are shown in Table 8.

Think A* Citates! Advance Events Generates in 25% of Policets Treated with 25TLA and pl an Incidence director than Playsby: Renerations of Course by

Sody System/Organ Class Advance Event	Piacebo (%) 11 = 796	ZETSA 10 mg (%) p = 1891
Body as a whole - people disorders		
Fallgue	1,5	2.2
Bastro-leurithal Preten disorders		
Abdominal pain	2.8	3,0
Plarries	3.0	3.7
Intention and Intertations		
intection viral	1.6	2.2
Pheryngills.	2.1	2.2
Shunide	2.6	7.5
Muscula-skatetal kristam diserdara		
Ariteratota	5,4	3.0
Back pain	. 3.0	4.1
Resultatory system disorders		
Coughing	2.1	2.3

· landoules pudients helso received physiology (CETIA filgen expension) in Table 9.

The frequency of less sometion adverse events was comparable between ZETIA and piacebo.

Combination with an HMS-CsA reductors (nitibility ZETIA has been evaluated for safety in combination studies in more

than 2000 pellents, here experiences were aimlar between ZETM administered with HMG-DoA reductase inhibitors and HMG-CoA reductase inhibitors and HMG-CoA reductase inhibitors are stated iransaminases was slightly higher in patients receiving ZETM administered with HMG-CoA reductase inhibitors than in patients treated with HMG-CoA reductase inhibitors than in patients treated with HMG-CoA reductase inhibitors than in patients treated with HMG-CoA reductase inhibitors alone. (See PRECAUTIONS, Liver

Enzymes.)

Clinical adverse superiorices reported in 22% of patients and at an incidence greater than piacebo in four placebo-controlled trials where ZETIA was administered alone or initiated accountminary with various HMG-CoA reductase inhibition, regardless of causality assessment are shown in Table 9.

Table 9" Clinical Adverse Extends occupying in 24% of Patients and at an incidence Grantes then Praceiro, Regardens of Careering, in 25TM/Stalls Considering Strikes

BODY System/Organ Class Adverto Evelt	Placebe (%) n=259	25TIA 10 mg (%) p-202	All Stalins ** (%) a-928	ZETIA 6 Ali Statins** (%) n=825
Scoty as a whole - general disorders				
Chest pals	1.2	3.4	2.0	1,0
Dizziness	1.2	2.7	1,4	1.0
Fallyoo	1.5	1.0	1,4	2.8
Handacka	6.4	6.9	7.3	6.3
615tro-last flui system diameters				
Abdominal stife	2.9	2.7	3,1	2.5
Diagraes	1.5	3.4	2.0	2.8
injursion and injustations				
Pharyne bis	1.9	3.1	2.5	23
Shusin	1.8	4.6	3.5	3.5
Upper ses phatory tract belocitors	10.8	13.0	15.6	11.8
Muzculo-skrinizi sestem ditordara				
Aritwatch	2.2	3.5	4.3	3.4
Back pain	3.6	14	3.7	43
19/sty ta	4.6	10	4.1	4.5

ZETIA" (ezetimibė)

Overhouseast of overdosage with ZETIA have been reported. Administration of continues, 50 montay, to 15 subjects for up to 14 days was generally well tolerated, in the event of an overdosa, symptomatic and supportive missures should be employed.

DOSAGE AND ADMINISTRATION

The patient should be placed on a standard cholestero-lowering dist for recolving ZETIA and should continue on this diet during weathers

The recommended dose of ZETIA is 10 mg ance daily. ZETIA can be

Into recommend once or zero is to mg ance cony. Zero an or administered with or without bool.

ZETTA may be administered with an HMG-CoA reduction inhibitor for increments intest, for convenience, the daily dose of ZETTA may be taken at the Jame time as the HMG-CoA reduction inhibitor, according to the dosing recommendations for the HMG-CoA reduction inhibitor.

Patients with Hepatic Insufficiency
No dosage adjustment is accessary in patients with mild hapatic insufficiency (see PRECAUTIONS, Hepatic Insufficiency).

Patients with Heast Insufficiency
No design adjustment is necessary in patients with result insufficiency (see
CURACAL PRARMACOLOGY, Special Providence).

Geristric Patients

No despe adjustment is necessary in generate patients (see CUNICAL PHARMACOLOGY, Special Populations).

Co-administration with Bite Adid Sequestrants
Dosing of ZETIA should accur either 22 hours before or 24 hours after administration of a bite acid sequestrant (see PRECAUTIONS, Drug Interactions).

HOW SUPPLIED

No. 3861 - Tablets ZETIA, 10 mg, are white to off-white, capsulo-shaped tabless debossed with "414" on one side. They are supplied as follows:

NDC 66582-414-31 hortles of 30

NDC 66582-414-54 bottles of 90 NDC 88582-414-74 bottles of 500

MDC 66582-414-28 unit dose packages of 100.

Shore at 25°C (77°F); excursions permitted to 15-30°C (59-88°F). [See USP Controlled Room Temperature.] Protect from molsture.

MERCK/Schering-Plough Pharmaceuticals

orunesia, Morsh Wales, PA 19454, LESA Byt Sehering Corporation, Keniferorth, AJ 07023, USA Immed Detailer 2002

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